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Datasheet for ABIN6991030 **anti-TOM70 antibody (N-Term)**

Overview

Quantity:	0.1 mg
Target:	TOM70 (TOMM70A)
Binding Specificity:	AA 50-100, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TOM70 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Anti-TOM70 antibody was raised against a peptide corresponding to 17 amino acids near the amino terminus of human TOM70. The immunogen is located within amino acids 50-100 of TOM70.
Isotype:	IgG
Specificity:	At least two isoforms of TOM70 are known to exist, this antibody will only detect the larger isoform.
Purification:	TOM70 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	TOM70 (TOMM70A)
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Target Details

Alternative Name:	TOM70 (TOMM70A Products)
Background:	<p>TOM70 Antibody: The translocase of outer mitochondrial membrane (TOM) complex is a multisubunit complex involved in the recognition, unfolding, and translocation of preproteins into the mitochondria. TOM70, an important member of the TOM complex, contains a tetratricopeptide repeat domain similar to those found in cytosolic chaperones such as Hsp90 and Hsc70 and provides a docking site for these proteins. This interaction is thought to be a critical first step in the TOM70-dependent mitochondrial import, followed by contact between the preprotein and TOM70. After targeting to TOM70, preproteins are translocated through the outer membrane via the TOM40 import pore complex. The precise mechanism of how preproteins progress from TOM70 to TOM40 to full translocation is still unclear.</p>
Molecular Weight:	<p>Predicted: 68kD</p> <p>Observed: 72 kD kDa</p>
Gene ID:	9868
NCBI Accession:	NP_055635
UniProt:	O94826
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	<p>WB: 1-4 µg/mL, IHC: 2.5 µg/mL, IF: 20 µg/mL.</p> <p>Antibody validated: Western Blot in human, mouse and rat samples, Immunohistochemistry and Immunofluorescence in mouse samples. All other applications and species not yet tested.</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	TOM70 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: TOM70 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.